

Nutrimune Chews™

DELICIOUS IMMUNE PROTECTION



Positioning Statement

Nutrimune Chews™ contain a proprietary extract of bovine colostrum, Colostrum MFT™, which is clinically shown to boost primary immune functions by providing a concentrated spectrum of supplemental immune antibody proteins*.

Concept

When a baby is born, its immune system is vulnerable to the potentially harmful microorganisms of a new environment. Nature provides a natural defense in colostrum, the first milk provided by a baby's mother. Immunoglobulin G (IgG), a key immune-stimulating component in colostrum, stimulates the new baby's immune system for protection and provides a first-line of defense against ingested potentially harmful organisms*.

In the developed world, people who eat correctly and take care of their bodies usually have healthy immune systems. However, every individual undergoes periods when their immune resistance is challenged. This can be a consequence of illness, stress, and/or occasional sleeplessness, intense exercise training and low energy, and/or poor diets that diminish the body's production of antibodies. Antibody production also decreases with age as much as 10% per decade after age 50. Our immune systems are further challenged by international travel and commerce that increase our exposure to a global network of potentially harmful microorganisms. Recent clinical studies show that regular consumption of bovine colostrum may strengthen our immune system by providing supplemental quantities of immune antibodies*.

Nutrimune Chews™ contain the Pharmanex® proprietary Colostrum MFT™, a high-quality, standardized extract of bovine colostrum that took twelve years and \$50 million to develop. Colostrum MFT™ is derived using a patented microfiltration process that results in an extract standardized to 50% IgG content making Colostrum MFT™ many times more concentrated than other

colostrum products on the market today. Knowing that many children and some adults prefer not to swallow pills or capsules, Pharmanex® has incorporated Colostrum MFT™ into delicious Nutrimune Chews™ along with calcium and vitamin D, both essential for normal bone growth and integrity*.

Primary Benefits

- Provides an immediate boost to your body's own natural immune function and activity*.
- Provides a broad spectrum of antibodies, including immunoglobulin G (IgG), to supplement those naturally produced by your body*.
- Supports the immune system's role in weakening and destroying potentially harmful organisms in the gut*.
- Provides calcium and vitamin D, important nutrients in milk that are essential to optimal bone health, but typically lacking in children's diets*.

What Makes This Product Unique?

- Using proprietary techniques, Nutrimune Chews™ are standardized to at least 50% immunoglobulin G (IgG), the highest level of these actives in the industry.
- Proprietary processing eliminates the need for heat, preserving the bioactivity of Colostrum MFT™.
- The technology and research behind Colostrum MFT™ began in 1987.
- Colostrum MFT™ and its related ingredients and technology have been subject to a dozen published papers in peer-reviewed journals. Additional pre-clinical studies document the safety and efficacy of Nutrimune Chews™.

Who Should Use This Product?

Adults and children interested in boosting their immune activity can take delicious Nutrimune Chews™. Those who are under immune stress and/or exposed to environmental pathogens, or aged individuals with weak or compromised immune systems can derive even more benefit*.

*This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Nutrimune Chews™

Did You Know?

- The immunoglobulins in bovine colostrum are the same found in raw milk and human milk
- Pasteurization denatures and inactivates the beneficial immunoglobulins and immune factors in milk

Frequently Asked Questions

What are the active components of Nutrimune Chews™?

Nutrimune Chews™ provide a number of nutritional components found naturally in milk, including immune-enhancing proteins, calcium, and vitamin D. It also provides Colostrum Microfiltrate™ a standardized concentrate of bioactive proteins available only from Pharmanex. Colostrum MFT™ includes broad-spectrum antibodies (immunoglobulins), lactoferrin, lactoperoxidase, lysozyme, growth factors, and cytokines processed from dairy cow colostrum. Using proprietary techniques, Colostrum MFT™ is standardized to a minimum 50% immunoglobulin G (IgG), the highest level of these actives in the industry.*

What is the role of calcium and vitamin D in this product?

Nutrimune Chews™ promote strong, healthy bones by supplying 250 mg of calcium per chew, plus vitamin D, which assists in absorption of calcium. Adequate calcium intake throughout life is critical in achieving peak bone mass in teenagers and young adults, and supporting bone health during adulthood. More than 99% of the body's calcium is contained in the bones and teeth*.

The role of vitamin D in calcium and bone metabolism is well established. A number of clinical trials document the benefits of supplemental vitamin D for maintaining normal bone health and calcium metabolism, especially in the elderly. Although vitamin D is produced in the skin upon sunlight exposure, marginal vitamin D status is common especially in the elderly living in the northern latitudes of the U.S. and Canada.*

Are Nutrimune Chews™ safe?

Nutrimune Chews™ are safe at the recommended dosage. Clinical studies on Colostrum MFT™ involved doses 100–400 times higher than the typical intake, and also involved safety testing in infants.

Key Scientific References

1. Greenberg PD, Cello JP. Treatment of severe diarrhea caused by *Cryptosporidium parvum* with oral bovine immunoglobulin concentrate in patients with AIDS. *J AIDS and Hum Retrovirol*, 1996; 13:348–354.

2. Niess AM, Fehrenbach E, Schlotz E et al. Effects of RRR-alpha-tocopherol on leukocyte expression of HSP72 in response to exhaustive treadmill exercise. *Int J Sports Med*, 2002; 23:445–52.
3. Takahashi N, Eisenhuth G, Lee I, Schachtele C, Laible N, and Binion S. Nonspecific antibacterial factors in milk from cows immunized with human oral bacterial pathogens. *J Dairy Sci*, 1992; 75:1810–1820.

Supplement Facts

Serving Size One Chew
Servings Per Container 30

Amount per Serving		% Daily Value
Total Calories	30	
Calories from Fat	10	
Total Fat	1 g	1%*
Saturated Fat	0 g	0%*
Trans Fat	0 g	
Total Carbohydrate	6 g	1%*
Sugars	3 g	**
Vitamin D (as Cholecalciferol)	50 IU	12%
Calcium (as Calcium Carbonate)	250 mg	25%
Sodium	5 mg	0%*
Colostrum MFT™ (min 50% IgG)	500 mg	**

*Percent Daily Value (DV) is based on a 2,000 calorie diet.
**Daily Value not established

Other Ingredients: Corn Syrup, Sucrose, Sweetened Condensed Whole Milk (Milk, Sucrose), Palm Kernel Oil, Whey, Mono and Diglycerides, Soya Lecithin, and Natural and Artificial Flavors.

Directions for Use

For children age 3 to 11, consume one (1) to two (2) chews per day. For children age 12+ and adults, consume one (1) to four (4) chews daily. Chew thoroughly before swallowing.

Warnings

Keep out of reach of children. Store in a cool, dry place.

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